

## Claims amended under PCT 19 at 01/09/98

Claim 7 is deleted. Claims 1-6, 8-14 are amended.

1. (Amended) A method for browsing a web data record, comprising;

5 [a] a process for receiving (601) an assignment of browsing time (612), and recording (604) it,

[b] a process for receiving (601) an assignment of web data file, and taking (808) out web data file record matching (807) with said assignment of browsing time (612) among corresponding web data records.

10 2. (Amended) The method for browsing a web data record according to claim 1, comprising;

[c] a process for detecting (802) that browsing time is unassigned after receiving assignment original web data file, specifying (811, 911, 915) latest web data, and providing (906) it.

15 3. (Amended) The method for browsing web data record, according to claim 1, comprising;

[d] a process (904) for recording an assignment of browsing point file, which is requested for browsing, on latest browsing point variable (614),

20 [e] a process (905) for recording an assignment of material file, which is requested for browsing, on reference file list (615),

[f] a process for clearing (903) reference file list (615), while recording new assignment of browsing point file,

25 [g] a process for taking out alteration history, corresponding to latest browsing point file variable (614) and assignments of web data files recorded on reference file list.

4. (Amended) A method for browsing web data record, comprising;

[d] a process for recording (904) an assignment of browsing point file, which is requested for browsing, on latest browsing point variable (614),

30 [e] a process (905) for recording an assignment of material file, which is requested for browsing, on reference file list (615),

[f] a process for clearing (903) reference file list (615), while recording new assignment of browsing point file,

35 [h] a process for detecting (601) order to record alteration history, specifying (1004) copy of data corresponding to assignment of browsing point file recorded in latest browsing file variable (614), specifying (1006, 1009) copy of data corresponding to assignment of material file recorded in reference

file list, and recording (1005) copy of them as alteration history.

5. (Amended) The method for browsing a web data record according to claim 3, comprising;

[i] a process for recording (1610) assignment of browsing point file, that is a  
5 element of frame, on reference file list, if browsing point file required for  
browsing has frame structure,

[j] a process for making new latest browsing point file variable and setting  
(1509) assignment of browsing point file to it, if said assignment of browsing  
point file required for browsing is registered in reference file list, and  
10 making (1510) new reference file list variable,

[k] a process for clearing (1511) browsing point file variable and also  
clearing (1512) reference file list, if "assignment of browsing point file",  
required for browsing, is not recorded in reference file list,

[g] a process for detecting (601) a request of alteration history data, and  
15 taking out alteration history corresponding latest browsing point file and  
assignments of web data files recorded in reference file list.

6. (Amended) A method for recording web data, comprising;

[i] a process for recording (1610) assignment of browsing point file, that is a  
element of frame, on reference file list, if browsing point file required for  
20 browsing has frame structure,

[j] a process for making new latest browsing point file variable and setting  
(1509) assignment of browsing point file to it, if said assignment of browsing  
point file required for browsing is registered in reference file list, and  
making (1510) new reference file list variable,

25 [k] a process for clearing (1511) browsing point file variable and also  
clearing (1512) reference file list, if "assignment of browsing point file",  
required for browsing, is not recorded in reference file list,

[h] a process for detecting (601) order to record alteration history, specifying  
(1004) copy of data corresponding to assignment of browsing point file  
30 recorded in latest browsing file variable (614) , specifying (1006, 1009) copy  
of data corresponding to assignment of material file recorded in reference  
file list, and recording (1005) copy of them as alteration history.

7. (Deleted)

8. (Amended) The method for browsing a web data record according to  
35 claim 1, comprising;

[l] a process (1712) to insert code (1706) into web data file passing to

browser,

[m] a process (1904,1906) to test whether predetermined pattern is included in web data request from browser,

[n] a process to invoke (1908) corresponding process among internal processes, except for ordinal proxy process for supporting communication between browser and data source, if there is said predetermined pattern.

9. (Amended) A method for recording and browsing web data comprising;

[a] a process for receiving (601) an assignment (612) of browsing time, and recording (604) it,

[b] a process (606) for receiving (601) an assignment of a web data file, and taking out (808) web data file record matching (807) to said assignment (612) of browsing time among corresponding web data records.

[o] a process for recording (2104) file showing "non-corresponding files", if it fails to taking out (2101) web data file.

10. (Amended) An apparatus for reading records of web data file, comprising;

[p] a block (2213) having assignment of browsing time (612),

[q] a means (2202) to receive assignment of original web data file,

[r] a file providing means (2205) to take out web data file record matching said browsing time (612) among web data records corresponding assignment of original web data file record.

11. (Amended) An apparatus for reading records of web data file, comprising;

[s] a working variable block (2213) having assignment of browsing time, a record (614) of latest browsing point file request and a record (615) of material file request,

[q] a means (2202) to receive assignment of original web data file,

[r] a file providing means (2205) to take (808) out web data file record matching said assignment of browsing time (612) among web data recordings corresponding with assignment of original web data file,

[t] a file providing means (2205) to make a record (614) of material file request and a record (615) of material file request,

[u] a alteration history recording means (2204) to detect (601) order record alteration history, specify (1004) copy of data corresponding to assignment of browsing point file recorded in latest browsing file variable (614) , specify (1006, 1009) copy of data corresponding to assignment of material file

recorded in reference file list, and recording (1005) copy of them as alteration history.

12. (Amended) A computer readable medium that records a program realizing a method for browsing a web data record, comprising;

5 [a] a process for receiving (601) an assignment (612) of browsing time, and recording (604) it,

[b] a process (606) for receiving (601) an assignment of a web data file, and taking out (808) web data file record matching (807) to said assignment (612) of browsing time among corresponding web data records.

10 13. (Amended) A method for recording web data, comprising;

[v] a process to specifying (2404) browsing point file record referring material file newly recorded (2401),

[w] a process to make copy (2406) of said browsing point file record,

15 [x] a process to change (2408) reference to old material file to newly recorded material file.

Claims amended under PCT 19 at 04/12/98

Claims 1-2, 9, 10, 12 are deleted. Claims 14-16 are added.

14. (Added) A method responding to request of web data, receiving  
5 "assignment of original web data file" as request and providing copy of  
original web data file as response to said request, comprising;

[a] a process for receiving (601) an assignment (612) of browsing time, and  
recording (604) it,

10 [b] a process (906) for receiving (601) an assignment of a web data file, and  
taking out (808) web data file record matching (807) to said assignment  
(612) of browsing time among corresponding web data records.

15 15. (Added) A method responding to request of web data, receiving  
"assignment of original web data file" as request and providing copy of  
original web data file as response to said request, according to claim 14,  
comprising;

16. (Added) A computer readable medium that records a program realizing  
a method responding to request of web data, receiving "assignment of  
original web data file" as request and providing copy of original web data  
file as response to said request, comprising;

20 [a] a process for receiving (601) an assignment (612) of browsing time, and  
recording (604) it,

[b] a process (906) for receiving (601) an assignment of a web data file, and  
taking out (808) web data file record matching (807) to said assignment  
(612) of browsing time among corresponding web data records.

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Claims amended under PCT 19 at 19/03/98

Claims 14, 15, 16 are amended. Claim 17 is added.

14. (Amended) A method responding to web data request, receiving  
5 "assignment of original web data file" as request and providing copy of  
original web data file as response to said request, comprising;

[a] a process for receiving (601) an assignment of browsing time (612), and  
recording (604) it,

[y] a process to receive (601) an "assignment of a web data file" with no  
10 browsing time pointed, combine it with browsing time point (612) already  
recorded, search in data base (304) of web data file, take (808) out web data  
file record matching (807) said browsing time point (612), and pass (906) is  
as a response to said an assignment of a web data file with no browsing time  
pointed.

15 15. (Amended) A method responding to web data request, receiving  
"assignment of original web data file" as request and providing copy of  
original web data file as response to said request, comprising;

[a] a process for receiving (601) an assignment of browsing time (612), and  
recording (604) it,

20 [b] a process for receiving (601) an assignment of web data file, and taking  
(808) out web data file record matching (807) with said assignment of  
browsing time (612) among corresponding web data records,

[c] a process for detecting (802) that browsing time is unassigned after  
receiving assignment original web data file, specifying (811, 911, 915) latest  
25 web data, and providing (906) it.

16. (Amended) A computer readable medium that records a program  
realizing a method responding to web data request, receiving "assignment of  
original web data file" as request and providing copy of original web data  
file as response to said request, comprising;

30 [a] a process for receiving (601) an assignment of browsing time (612), and  
recording (604) it,

[y] a process to receive (601) an "assignment of a web data file" with no  
browsing time pointed, combine it with browsing time point (612) already  
recorded, search in data base (304) of web data file, take (808) out web data  
35 file record matching (807) said browsing time point (612), and pass (906) is  
as a response to said an assignment of a web data file with no browsing time

pointed.

17. (Added) A method responding to web data request, according to claim 14, where (a) and (y) are invoked asynchronously.